

SNS Logbook

Thomas Pelaia II

EPICS Collaboration Meeting 2004

May 6, 2004

SNS Logbook Group



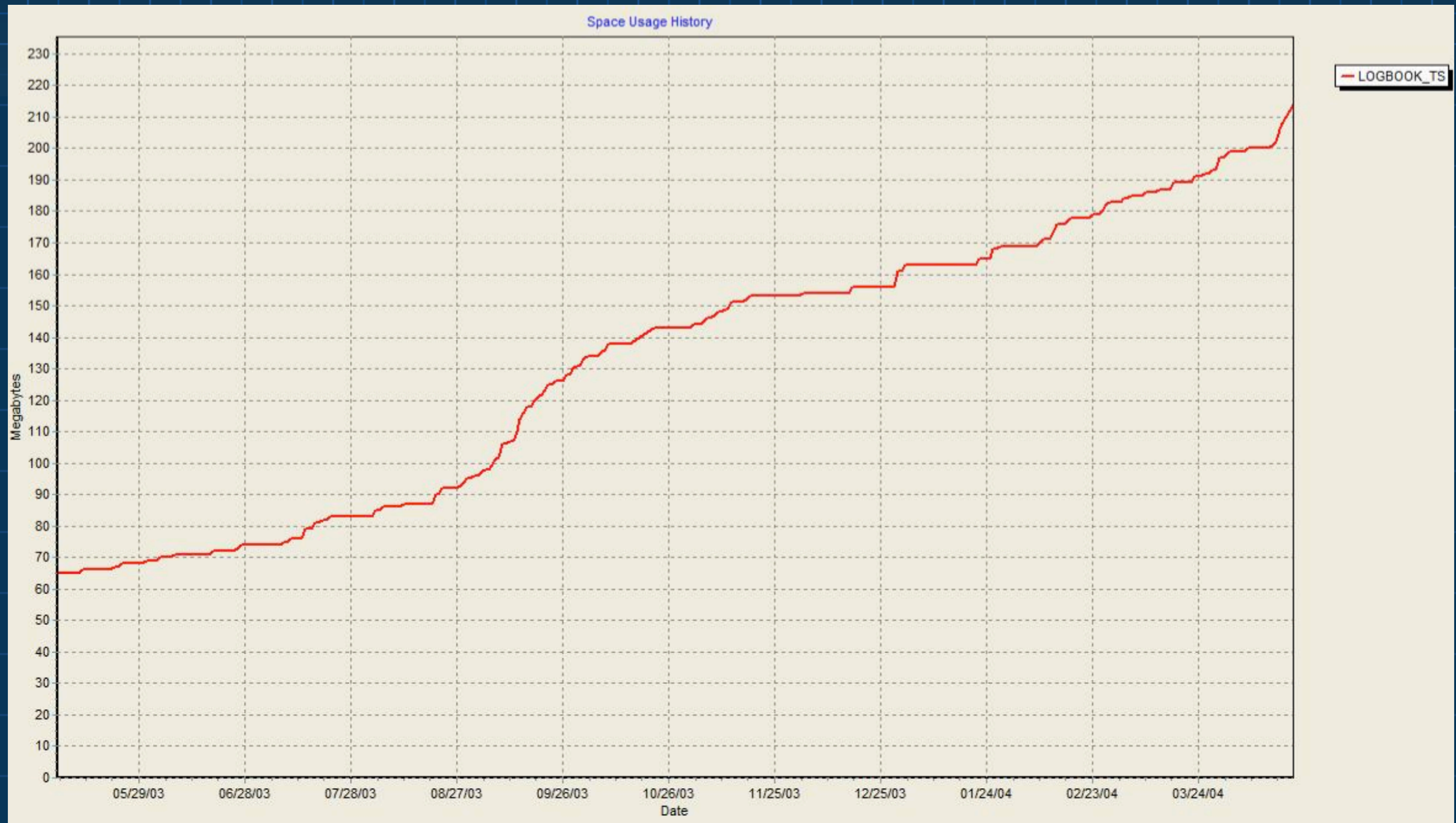
- Mario Giannella
- Brad Horn
- Jeff Patton
- Tom Pelaia

SNS Logbook Roadmap



May 2002	Conceive, design and preview an SNS Logbook prototype
Summer 2002	Develop Logbook and integrate with SNS Global Database
October 2002	Deploy SNS Logbook version 1.0
2003	Introduce many new features
Spring 2004	Introduce SNS Logbook 2.0

Logbook Activity in Megabytes



Old Logbook Experience



○ Positive features

- Easy to use
- Users can browse and compose entries from standard web browsers
- Customizable and good database integration

○ Need for improvement

- Navigation was cumbersome
- Layout was basic and not really consistent or efficient
- No online help
- Deployment was somewhat involved

Old Logbook - Daily Browsing



Profile Home Compose Daily Search Logout

Wed, Nov 13, 2002 09:56 THOMAS PELAI A II
Operations

<--- month week day 06/27/2002 Go day week month --->

Thursday, June 27, 2002

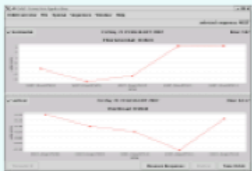
Topic: Orbit correction THOMAS PELAI A II

June 27, 2002 13:15 [reply](#) [bookmark](#) [thread](#)

Equipment Group(s):
Logbook(s):Operations


We attempted to correct the orbit of the MEBT remotely from ORNL.
The MEBT was at LBNL.

Before Correction



As you can see, the vertical orbit error is already small. We will focus on flattening horizontally.

After Correction



- View an entire day of entries
- Only very basic navigation options
- Colors need to be toned down

Old Logbook - Bookmarks



- Home page for setting logbook and managing bookmarks
- No shortcut for viewing other entries on the day on which the bookmark occurs
- Layout is somewhat obscure
- Inefficient for user to change logbook

A screenshot of a web browser displaying the 'Old Logbook' interface. At the top, there are navigation links: 'Profile', 'Home', 'Compose', 'Daily', 'Search', and 'Logout'. Below these, the date and time 'Mon, Nov 11, 2002 15:37' are shown on the left, and the user's name 'THOMAS PELAIJA II' with the role 'Operations' is on the right. The main content area has a section titled 'Current LogBook:' followed by a dropdown menu currently set to 'Operations'. Below this is a section titled 'Bookmarks' which contains two entries: 'Ion Source Operation Checklist in EPICS' and 'Shift start', each preceded by a checkbox. At the bottom left of the bookmarks section is a 'delete' button.

Old Logbook - Search



- Easy to use
- Yet another navigation interface
- viewing entries requires back navigation
- No shortcut for viewing other entries on the day on which the entry occurs

Start Date: 06/01/2002
End Date: 07/15/2002
Author First Name:
Author Last Name:
Contents:
Title: test
Equipment Groups: All Groups
Logbook: Operations

12 Entry(s) Display 10 items Page 1 of 2

Topic	Author	Post	Logbook
Test entry	THOMAS PELAIA II	Monday, June 17, 2002	Operations
Test entry	THOMAS PELAIA II	Tuesday, June 25, 2002	Operations
Test category entry	THOMAS PELAIA II	Tuesday, June 25, 2002	Operations
test entry	THOMAS PELAIA II	Tuesday, June 25, 2002	Operations
test	THOMAS PELAIA II	Tuesday, June 25, 2002	Operations

Old Logbook - Composing

A screenshot of a web-based logbook entry form. At the top, there are tabs for 'Edit', 'Add Attachments', and 'Preview'. Below the tabs, a message states 'Entry will be placed in the Operations Logbook'. The form includes a dropdown menu for 'Equipment Category' with options: Magnets, Power Supplies, RF Systems, Test Equipment, and Diagnostics. A text field for '*Title:' contains 'Test entry'. A large text area for 'Content:' contains 'This is just a test entry'. Below the content area is a section for uploading an image, with a text prompt 'Upload an image and add it to the entry:', a text input field, a 'Browse...' button, and an 'Add Image' button. Below this is the text 'Accepted image types: JPG, GIF, PNG or TIFF'. At the bottom left, there is a red asterisk and the text '* Required Field'. At the bottom of the form are 'Clear' and 'Commit' buttons.

- Not enough feedback on entry length limits
- Why are attachments and images handled inconsistently?
- Display is too busy when several images have been added

SNS Logbook 2 Changes



- Introduce a three frame view for efficient navigation
- Provide a more consistent look and feel for daily browsing, bookmarks and searching
- Improved composing
- Provide online help
- Stream images and attachments
- Display a person's preferred name
- Deploy under JBoss 3.2
- Many other improvements

Daily Navigation



SNS Logbook

https://snsapp1.sns.ornl.gov:8888/Logbook/WebObjects/Logbook.woa/wo/0.5 Google

Address Book Apple News Mac Work Development Reference Applications Leisure Home

Thomas Pelaia II
[logout](#)

Logbook:
Scratch Pad

[Daily Log](#)
[Bookmarks](#)
[Search](#)
[Compose](#)
[Help](#)

< 1 Day(s) > 04/27/2004 Go Today

[Tuesday, April 27, 2004 - Scratch Pad Logbook](#)

Title	Time	Author
demo entry	10:37:44	Thomas Pelaia II
Re: demo entry	10:39:12	Thomas Pelaia II

< 1 Day(s) > 04/27/2004 Go Today

DATE	Logbook	Equipment Category(s)	Author
April 27, 2004 10:37	Scratch Pad		Thomas Pelaia II

demo entry [reply](#) [bookmark](#) [thread](#)

Just a demo entry.

< 1 of 2 >

Bookmarks



SNS Logbook

https://snsapp1.sns.ornl.gov:8888/Logbook/WebObjects/Logbook.woa/wo/0.5

Address Book Apple News Mac Work Development Reference Applications Leisure Home

Thomas Pelaia II
[logout](#)

Logbook:
Scratch Pad

[Daily Log](#)
[Bookmarks](#)
[Search](#)
[Compose](#)
[Help](#)

Scratch Pad Bookmarks

delete	title	date	author
<input type="checkbox"/>	test	February 11, 2004 14:34:37	Thomas Pelaia II
<input type="checkbox"/>	test new image editing	March 21, 2004 10:09:40	Thomas Pelaia II


DATE	Logbook	Equipment Category(s)	Author
February 11, 2004 14:34	Scratch Pad		Thomas Pelaia II

test
[reply](#) [bookmark](#) [thread](#)

test entry

Attachments
[Elog Daily.pdf](#)

back.jpg



◀ 1 of 2 ▶

Search Form



Thomas Pelaia II
[logout](#)

Logbook:
Scratch Pad

[Daily Log](#)
[Bookmarks](#)
[Search](#)
[Compose](#)
[Help](#)

SearchResults

From: 04/20/2004To: 04/27/2004

Logbook: Scratch Pad

Equipment Groups: All Groups

Subject: Image Title:

Contents:

Author First Name: Last Name:

Search

Search Results

Thomas Pelaia II
[logout](#)

Logbook:
Scratch Pad



[Daily Log](#)
[Bookmarks](#)
[Search](#)
[Compose](#)
[Help](#)

[Search](#) Results

21 Entries Display 10 items Page 1 of 3

Title	Author	Post	Logbook
test entry	Thomas Pelaia II	Friday, March 19, 2004	Scratch Pad
test of the new character counter	Thomas Pelaia II	Friday, March 19, 2004	Scratch Pad
just a test	Thomas Pelaia II	Friday, March 19, 2004	Scratch Pad
Re: test of the new character counter	Thomas Pelaia II	Saturday, March 20, 2004	Scratch Pad
test new image editing	Thomas Pelaia II	Sunday, March 21, 2004	Scratch Pad
test entry	Thomas Pelaia II	Monday, March 22, 2004	Scratch Pad
test entrv	Thomas Pelaia II	Mondav. March 22. 2004	Scratch Pad

DATE	Logbook	Equipment Category(s)	Author
March 21, 2004 10:09	Scratch Pad		Thomas Pelaia II

[test new image editing](#)
Test the new image editing features.

Just a sample image. Some more text.


Composing

Thomas Pelaia II
[logout](#)

Logbook:
Scratch Pad

[Daily Log](#)
[Bookmarks](#)
[Search](#)
[Compose](#)
[Help](#)

DATE	Logbook	Equipment Category(s)	Author
April 27, 2004 10:37	Scratch Pad		Thomas Pelaia II
demo entry			reply bookmark thread
Just a demo entry.			

Edit

☐ Add Images

☐ Add Attachments

☐ Preview

The Current Logbook for This Thread is **Scratch Pad**

Equipment Category:

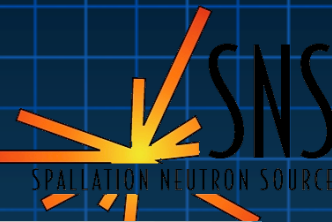
*Title:

*Content: (4000 character limit)

character count: 84

* Required Field

Online Help

A screenshot of a web browser displaying the SNS Logbook application. The browser window has a title bar that says 'SNS Logbook'. The address bar shows the URL 'https://snsapp1.sns.ornl.gov:8888/Logbook/WebObjects/Logbook.woa/wo/0.5'. Below the address bar is a navigation menu with links: Address Book, Apple, News, Mac, Work, Development, Reference, Applications, Leisure, and Home. The main content area shows a user profile for 'Thomas Pelaia II' with a 'logout' link. Below this is a 'Logbook:' section with a 'Scratch Pad' tab. To the right of the logbook is a date filter set to '04/27/2004' with 'Go' and 'Today' buttons. The logbook title is 'Tuesday, April 27, 2004 - Scratch Pad Logbook'. A table with columns 'Time' and 'Author' is visible, showing two entries by 'Thomas Pelaia II'. An 'SNS Logbook Help' window is overlaid on the main content. It has a title bar 'SNS Logbook Help' and a sidebar with links: Introduction, Release Notes, Daily Log, Bookmarks, Search, and Compose. The main text in the help window is titled 'SNS Logbook Introduction' and contains a welcome message, browser requirements, and a table of tested web browsers.

Thomas Pelaia II
[logout](#)

Logbook:
Scratch Pad

1 Day(s) 04/27/2004 Go Today

[Tuesday, April 27, 2004 - Scratch Pad Logbook](#)

Time	Author
	Thomas Pelaia II
	Thomas Pelaia II

04/27/2004 Go Today

SNS Logbook Introduction

Welcome to the SNS Logbook. The SNS Logbook is the official log of SNS operations activity. You must have a valid UCAMS user id and password to use the logbook. You may browse entries as well as compose and commit new entries from [modern web browsers](#).

Browser Requirements:
The SNS Logbook works on any platform and with any modern web browser that supports HTML 4.01, HTTP 1.1 and JavaScript 1.5 [open web standards](#). Be sure to **enable cookies and JavaScript** in your web browser.

Tested Web Browsers

Platform	Browser
Linux	Netscape Navigator 7.1
	Firefox 0.8
Mac OS X	Safari 1.2
	Firefox 0.8

- **Developed with Apple WebObjects 5.2.3**
- **100% J2EE compliant**
- **Simple deployment under JBoss 3.2 on Solaris server**
- **Oracle 9 database stores all content**
- **No change required in logbook content from version 1.0 since the pages are dynamically generated**

Future Directions



- Email notification to send an entry to a selected group (integrated with the call list)
- Add support for users to indicate that they have read certain required entries
- Support entry types and standard forms (problem report, shift summary, ...)
- Allow each user to organize entries
- Allow users to view multiple logbooks concurrently
- Address other user requests